



Aurora *Energy*

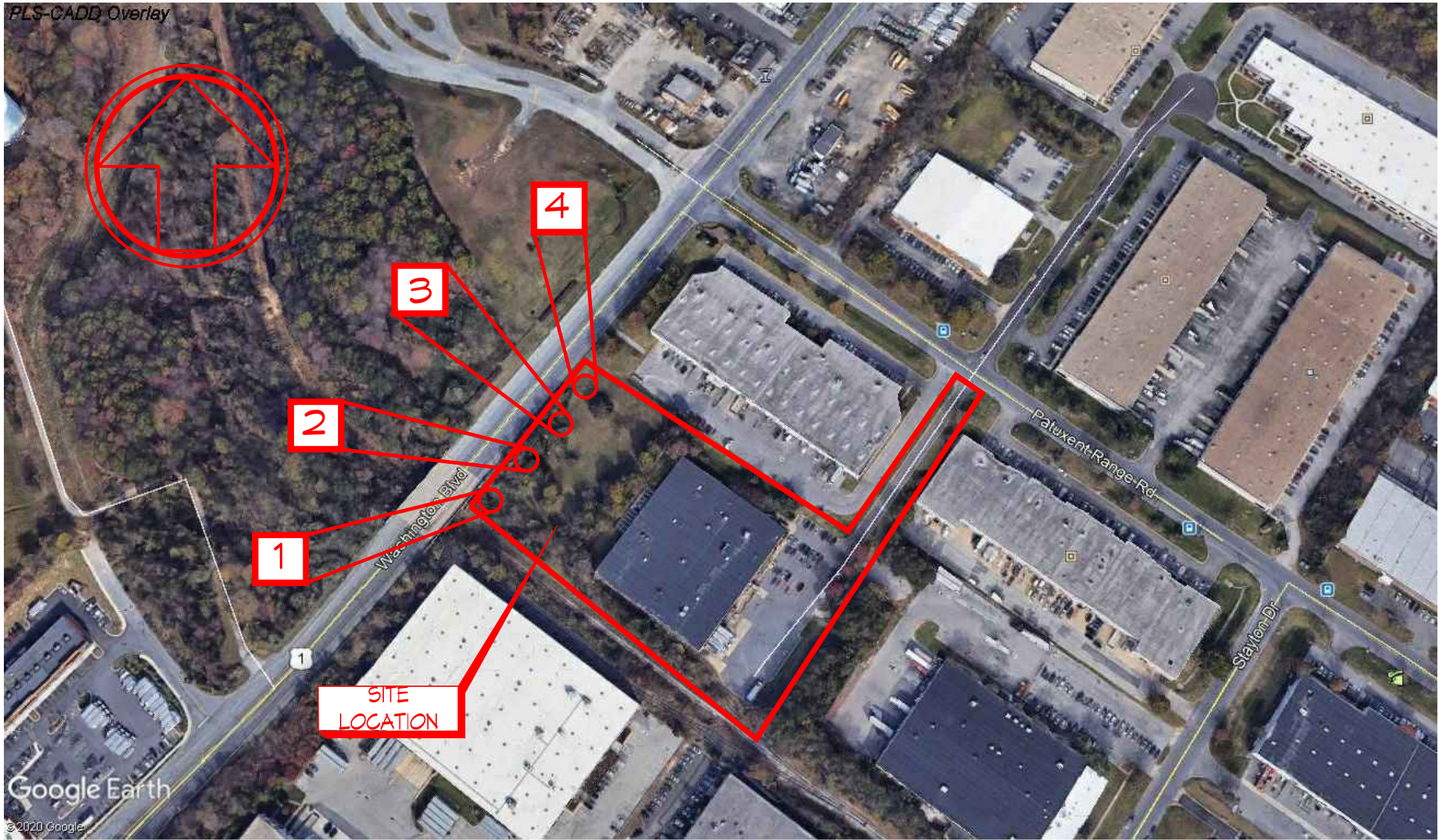
**BALTIMORE WASHINGTON INDUSTRIAL PARK
8375 PATUXENT RANGE ROAD JESSUP, MD 20794
PARCEL 'B' BLOCK 'A'**

**PROPOSED GROUND MOUNTED
SOLAR PANEL INSTALLATION**

PROJECT GOALS:

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A SOLAR PANEL ARRAY AND SOLAR PANELS ON TOP OF THE EXISTING WAREHOUSE BUILDING IN ORDER TO PROVIDE A CLEAN RENEWABLE SOURCE OF ENERGY TO POWER THE EXISTING WAREHOUSE OPERATIONS. ALL OF THE ENERGY PRODUCED BY THESE SOLAR MODULES WILL BE CONSUMED ENTIRELY BY ON-SITE FACILITY OPERATIONS.

PLS-CADD Overlay



Google Earth
© 2020 Google

AERIAL VIEW
SCALE: N.T.S.



EXISTING VIEW #1



EXISTING VIEW #2



EXISTING VIEW #3

DAP CHECKLIST EXPLANATION OF ITEMS OMITTED:

1. NO BUILDINGS ARE PROPOSED THEREFORE NO BUILDING PLANS HAVE BEEN SUBMITTED.
2. NO MAJOR LANDMARKS ARE IN THE VICINITY OF THE PROPERTY.
3. SOLAR COLLECTORS ARE AN ALLOWED USE IN THE CURRENT PROPERTY ZONING DISTRICT (CE-CL1) PROVIDING THEY ARE AN ACCESSORY TO THE PRINCIPAL USE AND MORE THAN 50% OF THE POWER IS BEING CONSUMED BY THE PRINCIPAL USE.
4. NO LIGHTING, LANDSCAPING OR SCREENING IS PROPOSED. THEN FENCE PROPOSED IS STANDARD 7' TALL CHAINLINK SECURITY FENCE
5. THE EXISTING TREES AS SHOWN ON THE SECP ARE MOSTLY TO REMAIN. A SMALL PORTION OF THE TREES WILL BE REMOVED AT THE SOUTHERN END OF THE PROPERTY TO ACCOMMODATE THE SOLAR PANEL ARRAY AND REQUIRED STORMWATER MANAGEMENT.
6. NO SIDEWALK OR STREETScape IMPROVEMENTS ARE PROPOSED
7. NO SIGNS ARE PROPOSED.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

DATE



**MISS UTILITY
LAW**

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM UTILITY COMPANY RECORDS AND/OR ABOVE GROUND INSPECTION OF THE SITE. COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANT TO REQUIREMENTS OF MARYLAND SENATE BILL 911, KNOWN AS THE MISS UTILITY LAW, WHICH WENT INTO EFFECT ON 10-1-15, CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES BY NOTIFYING FACILITY OWNERS THROUGH THE ONE-CALL SYSTEM: 1-800-287-7777, NO LESS THAN 2 DAYS, NOR MORE THAN 10 DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK.

OWNER:
HONEY MOUNTAIN, LLC
C/O SUN BELLE, INC.
3810 ROSE STREET
SCHILLER PARK, IL 60176-2122

DEVELOPER:
AURORA ENERGY (ATTN: SIMON ZIMMER)
DIRECTOR OF OPERATIONS
9909 MENDENHALL COURT, SUITE E
COLUMBIA, MD 21045
410-605-4848



EXISTING VIEW #4

DRAWING:	AERIAL SITE VIEW & VIEWS FROM WASHINGTON BLVD. (US-1)	
PROJECT:	BALTIMORE WASHINGTON INDUSTRIAL PARK PARCEL 'B' BLOCK 'A' 8375 PATUXENT RANGE ROAD JESSUP, MD 20794 ELECTION DISTRICT: 06 HOWARD COUNTY, MARYLAND	
	GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC. ENGINEERS • PLANNERS • SURVEYORS • TRANSPORTATION WATERS EDGE CORPORATE CAMPUS 4652 MILLENNIUM DRIVE, SUITE 100 BELTSVILLE, MD 21017 Ph: (410) 297-2340 Fax: (410) 297-2345 Email: jstephens@gwstephens.com	
	DESIGNED BY: JRO	
	DRAWN BY: JRO/KHC	
	CHECKED BY: GWS	
	PROJECT NO.: 12018	
	DATE: 08/10/20	
	SCALE: N.T.S.	
	DRAWING NUMBER: EX-DAPS	SHEET NUMBER: 1 OF 2



NORTHWEST AERIAL VIEW #1



NORTHWEST AERIAL VIEW #2



WEST AERIAL VIEW

OWNER:

HONEY MOUNTAIN, LLC
C/O SUN BELLE, INC.
3810 ROSE STREET
SCHILLER PARK, IL 60176-2122

REVISION

AURORA ENERGY (ATTN: SIMON ZIMMER)
DIRECTOR OF OPERATIONS
9009 MENDENHALL COURT, SUITE E
COLUMBIA, MD 21045
410-605-4848

DATE

BY

MISS UTILITY
LAW


APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE _____

CHIEF, DIVISION OF LAND DEVELOPMENT

DATE _____

DRAWING: AERIAL SITE VIEW & VIEWS FROM WASHINGTON BLVD. (US-1)													
PROJECT: BALTIMORE WASHINGTON INDUSTRIAL PARK PARCEL 'B' BLOCK 'A' 8375 PATUXENT RANGE ROAD JESSUP, MD 20794 ELECTION DISTRICT: 06 HOWARD COUNTY, MARYLAND													
GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC. ENGINEERS • PLANNERS • SURVEYORS • TRANSPORTATION WATERS EDGE CORPORATE CAMPUS 4600 W. LEXINGTON DRIVE, SUITE 100 BELGAP, MD 21017 PH: (410) 297-4260 FAX: (410) 297-2345 Email: johnstephenr@gwsdassociates.com													
	<table border="1"><tr><td>DESIGNED BY:</td><td>JRO</td></tr><tr><td>DRAWN BY:</td><td>JRO/KHC</td></tr><tr><td>CHECKED BY:</td><td>GWS</td></tr><tr><td>PROJECT NO.</td><td>12018</td></tr><tr><td>DATE</td><td>08/10/20</td></tr><tr><td>SCALE:</td><td>N.T.S</td></tr></table>	DESIGNED BY:	JRO	DRAWN BY:	JRO/KHC	CHECKED BY:	GWS	PROJECT NO.	12018	DATE	08/10/20	SCALE:	N.T.S
DESIGNED BY:	JRO												
DRAWN BY:	JRO/KHC												
CHECKED BY:	GWS												
PROJECT NO.	12018												
DATE	08/10/20												
SCALE:	N.T.S												
<p>I, JEFFREY OTTENMEYER, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.</p> <p>DATE: 8/10/2020</p> <p>LICENSE NO.: 21888 EXP. DATE: 12/15/21</p>													
<table border="1"><tr><td>DRAWING NUMBER:</td><td>SHEET NUMBER:</td></tr><tr><td>EX-DAPS</td><td>2 OF 2</td></tr></table>		DRAWING NUMBER:	SHEET NUMBER:	EX-DAPS	2 OF 2								
DRAWING NUMBER:	SHEET NUMBER:												
EX-DAPS	2 OF 2												

DRAWING: AERIAL SITE VIEW &
VIEWS FROM WASHINGTON BLVD. (US-1)

PROJECT: BALTIMORE WASHINGTON INDUSTRIAL PARK
PARCEL 'B' BLOCK 'A'
8375 PATUXENT RANGE ROAD
JESSUP, MD 20794
ELECTION DISTRICT: 06 HOWARD COUNTY, MARYLAND

	GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC.
--	---

GWS


ENGINEERS ♦ PLANNERS ♦ SURVEYORS ♦ TRANSPORTATION

WATERS EDGE CORPORATE CAMPUS
4692 MILLENNIUM DRIVE, SUITE 100
BELCAMP, MD 21017

Ph: (410) 297-2340
Fax: (410) 297-2345

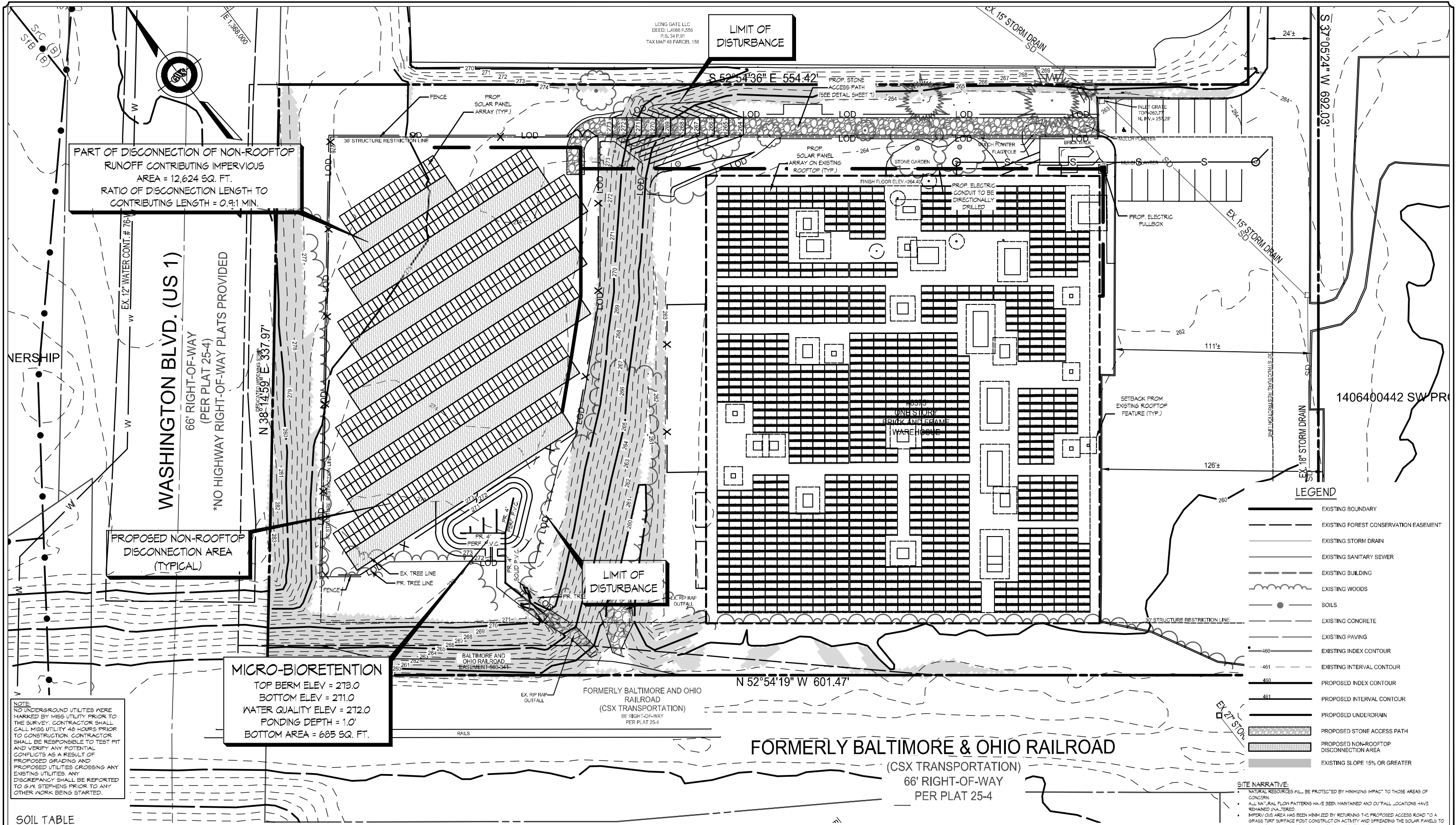
<http://www.gwstophens.com>

Email: jollanmeyer@gwstophens.com

	DESIGNED BY: JRO
	DRAWN BY: JRO/KHC
	CHECKED BY: GWS
	PROJECT NO. 12016
	DATE 09/10/20
SCALE: N T S	

I, JUSTIN P. OTTENSMEYER, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.
 MTDMSA/AL-24989 SUR. DATE: 12/16/2020


EX-DAPS 2 OF 2



NOTE:
NO UNDERGROUND UTILITIES WERE
MARKED BY MISS UTILITY PRIOR TO
THE SURVEY. CONTRACTOR SHALL
CALL MISS UTILITY 48 HOURS PRIOR
TO CONSTRUCTION. CONTRACTOR
SHALL BE RESPONSIBLE TO TEST PIT
AND VERIFY ANY POTENTIAL
CONFLICTS AS A RESULT OF
PROPOSED GRADING AND
PROPOSED UTILITIES CROSSING ANY
EXISTING UTILITIES. ANY
DISCREPANCY SHALL BE REPORTED
TO G.W.S. STEPHENS PRIOR TO ANY
OTHER WORK BEING STARTED.

MICRO-BIORETENTION
TOP BERM ELEV = 273.0
BOTTOM ELEV = 271.0
WATER QUALITY ELEV = 272.0
PONDING DEPTH = 1.0'
BOTTOM AREA = 685 SQ. FT.

SOIL TABLE					
MAP UNIT SYMBOL	SOIL NAME	HYDROLOGIC SOIL GROUP	SOIL CLASSIFICATION	ERODABILITY FACTOR (Kt)	SLOPES
UdD	Urban Land	D	Udorthents Complex	N/A	0-15%



GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC.
ENGINEERING ♦ LAND PLANNING ♦ SURVEYING
4692 MILLENNIUM DRIVE, SUITE 100
BELCAMP, MD 21017
Ph: (410) 297-2340 <http://www.gwstephens.com> Fax: (410) 297-2345

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

_____ CHIEF, DEVELOPMENT ENGINEERING DIVISION	_____ DATE
_____ CHIEF, DIVISION OF LAND DEVELOPMENT	_____ DATE

PLAN
SCALE: 1" = 50'



AURORA ENERGY
BALTIMORE WASHINGTON INDUSTRIAL PARK
FINAL CONCEPT PLAN
SCALE: 1"=50' DATE: September 10, 2020

- LEGEND**
- EXISTING BOUNDARY
 - EXISTING FOREST CONSERVATION EASEMENT
 - EXISTING STORM DRAIN
 - EXISTING SANITARY SEWER
 - EXISTING BUILDING
 - EXISTING WOODS
 - SOILS
 - EXISTING CONCRETE
 - EXISTING PAVING
 - EXISTING INDEX CONTOUR
 - EXISTING INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
 - PROPOSED UNDERDRAIN
 - PROPOSED STONE ACCESS PATH
 - PROPOSED NON-ROOFTOP DISCONNECTION AREA
 - EXISTING SLOPE 15% OR GREATER

SITE NARRATIVE:
NATURAL RESOURCES WILL BE PROTECTED BY MINIMIZING IMPACT TO THOSE AREAS OF CONCERN.
ALL NATURAL FLOW PATTERNS HAVE BEEN MAINTAINED AND OUTFALL LOCATIONS HAVE REMAINED UNALTERED.
IMPERVIOUS AREA HAS BEEN MINIMIZED BY RETURNING THE PROPOSED ACCESS ROAD TO A GRASS TURF SURFACE POST CONSTRUCTION ACTIVITY AND SPREADING THE SOLAR PANELS TO ALLOW FOR NON-ROOFTOP DISCONNECTION BETWEEN THE PANELS.
DISTURBANCE TO THE MICRO-BIORETENTION AREA WILL NOT OCCUR UNTIL UPSTREAM CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE GROUND HAS BEEN STABILIZED.
ESD TO THE MEP HAS BEEN ACHIEVED THEREFORE NO OTHER STORMWATER MANAGEMENT PRACTICES ARE REQUIRED.

SITE DATA

Total Area Of Tract: 3.129 Ac.
 Existing Zoning: M-1/M-2
 Total Floor Area: 37,644 sq ft
 Tax Map No: 48
 Total Solar Area: None
 Total ADT: 100

PARKING REQUIRED
 Storage/Distribution/Packaging: 600,440 sq ft @ 0.05 sq ft/1000 sq ft = 30,022 sq ft
 Office: 20,000 sq ft @ 0.25 sq ft/1000 sq ft = 5,000 sq ft
 TOTAL REQUIRED = 35,022 sq ft
 TOTAL PROVIDED = 35,022 sq ft
 Credits = 30,000 sq ft
 (earned from adjacent property = 4,000 sq ft)
 Total: 35,022 sq ft, including 4,000 sq ft

ON-SITE PAV. SECT.
 No Scale

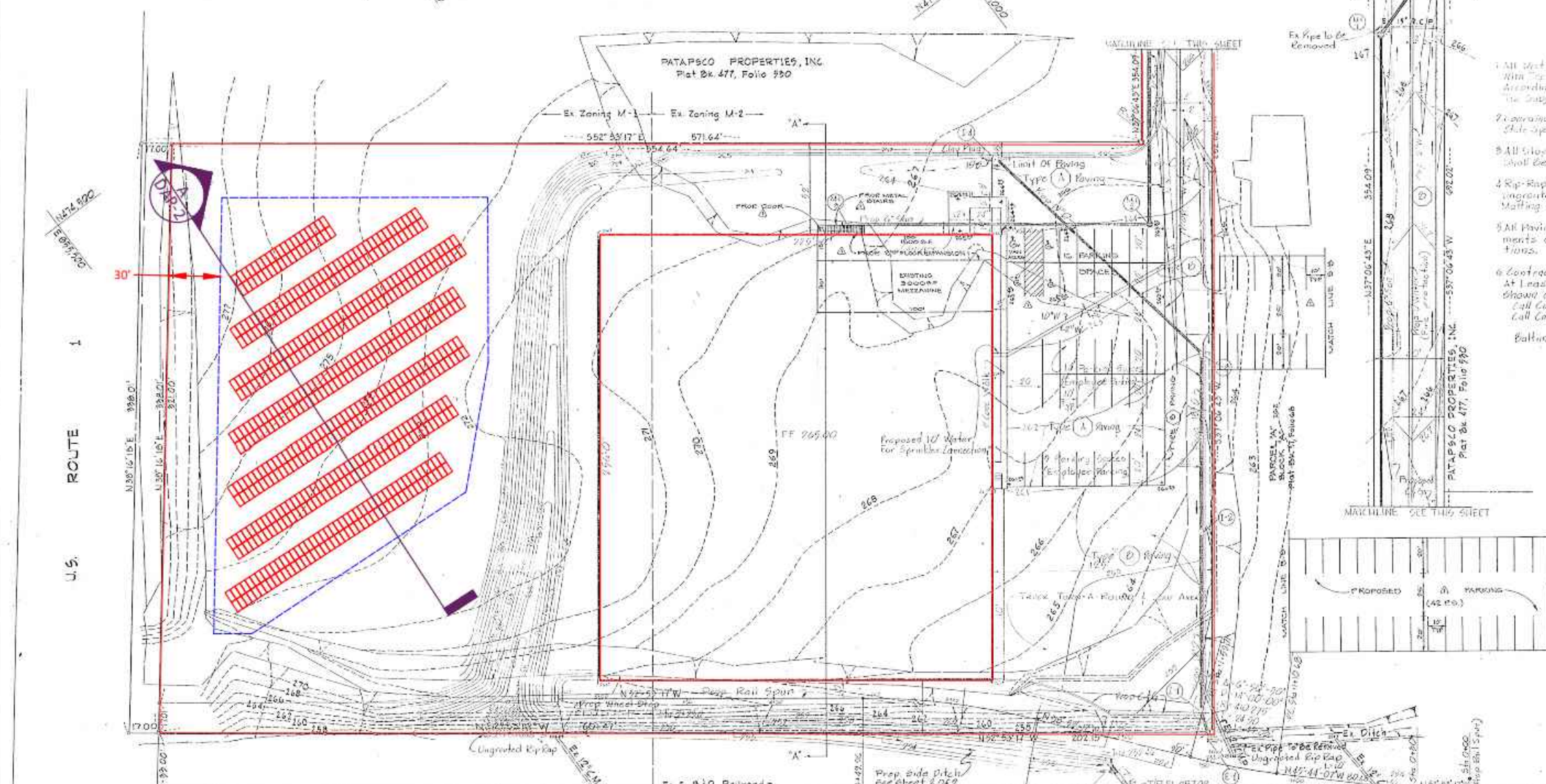
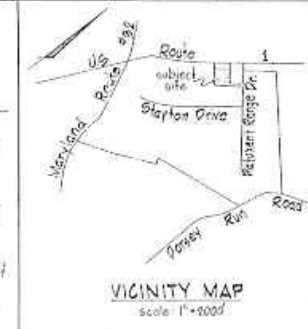
Type (A) Paving: 1 1/2" Bit Conc. Surf. 6" Bit Conc. Base 6" Bit Conc. Binder
 Type (B) Paving: 1 1/2" Bit Conc. Surf. 6" Bit Conc. Base 6" Bit Conc. Binder
 Tack Coat As Per HO CO Spec C-31-d

ENTRANCE DETAIL
 No Scale

12'0" 5'0"
 PATUXENT RANGE DRIVE
 1/2" Bit Conc. Surf. (Base C-31-d) (Typical)
 3" Bit Conc. Binder (Base C-31-d) (Typical)
 9" Crusher Run Base (2 Courses)
 Tack Coat per HO CO Spec C-31-d
 Prime Coat per HO CO Spec C-30-b

E PATUXENT RANGE DRIVE
 No Scale

Ex. Telephone Cable
 Ex. Electric Cable
 Ex. Gas
 Ex. 12" W-7
 Ex. 8" San
 Ex. 6" D-7
 Ex. 4" RCP
 Ex. 12" RCP
 Ex. 18" RCP
 Ex. 24" RCP
 Ex. 30" RCP
 Ex. 36" RCP
 Ex. 42" RCP
 Ex. 48" RCP
 Ex. 54" RCP
 Ex. 60" RCP
 Ex. 66" RCP
 Ex. 72" RCP
 Ex. 78" RCP
 Ex. 84" RCP
 Ex. 90" RCP
 Ex. 96" RCP
 Ex. 102" RCP
 Ex. 108" RCP
 Ex. 114" RCP
 Ex. 120" RCP
 Ex. 126" RCP
 Ex. 132" RCP
 Ex. 138" RCP
 Ex. 144" RCP
 Ex. 150" RCP
 Ex. 156" RCP
 Ex. 162" RCP
 Ex. 168" RCP
 Ex. 174" RCP
 Ex. 180" RCP
 Ex. 186" RCP
 Ex. 192" RCP
 Ex. 198" RCP
 Ex. 204" RCP
 Ex. 210" RCP
 Ex. 216" RCP
 Ex. 222" RCP
 Ex. 228" RCP
 Ex. 234" RCP
 Ex. 240" RCP
 Ex. 246" RCP
 Ex. 252" RCP
 Ex. 258" RCP
 Ex. 264" RCP
 Ex. 270" RCP
 Ex. 276" RCP
 Ex. 282" RCP
 Ex. 288" RCP
 Ex. 294" RCP
 Ex. 300" RCP



- GENERAL NOTES**
- All disturbed areas to be seeded in conjunction with the proposed site construction and according to the approved soil erosion plan for the subject site.
 - Coordinates are based upon "Prime Coordinates Md. State System" Survey As Marked B64 N41°00'00" E 85°10'00" B64 As Marked B64 N41°00'00" E 85°10'00" B64
 - All slopes disturbed during utility construction shall be seeded and graded.
 - Rip-rap as shown on drain outfalls shall be installed and laid over poly filter 'X' Matting stapled to existing ground.
 - All paving materials used will meet the requirements of Howard Co. Road Code and Specifications.
 - Contractor to notify the following utilities at least three (3) days before starting work shown on these drawings:
 Call Collect For Bell Telephone System: 938-3149
 Call Collect For Long Distance Lines: 938-2550
 Or 938-2554
 Baltimore Gas & Electric Co.: 294-2671

APPROVED: For Public Water And Public Sewerage Systems, Howard Co. Health Dept.
 [Signature]
 County Health Officer
 Date: 7/3/73

APPROVED: Planning Director
 [Signature]
 Date: 7/3/73

APPROVED: Chief Div. Of Land Dev.
 [Signature]
 Date: 6/29/73

APPROVED: For Public Water, Public Sewerage And Storm Drainage Systems And Roads, Howard Co. Department Of Public Works.
 [Signature]
 Date: 6/29/73

APPROVED: Director
 [Signature]
 Chief, Bureau Of Highways
 Date: 6/29/73



ENGINEERS
 GEORGE W. STEPHENS, JR.
 F. ASSOCIATES, INC.
 809 ALLEGHENY AVENUE
 TOWSON, MARYLAND
 21204

NO.	REVISIONS	DATE	BY
1	ADDED ROOMS & ENCLOSED EMBELLISHMENTS	4/17/76	GWS
2	TO ALL ROOMS OF BUILDING ADDED DISTANCE FROM EXISTING TO GRADE	1-30-78	1-30-78
3	REVISED PARKING TABULATION		

OWNER & DEVELOPER
 PATAPSCO PROPERTIES INCORPORATED
 501 ST. PAUL STREET
 BALTIMORE, MARYLAND
 21202

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE: 6/25/73
 [Signature]

SITE PLAN
 BALTIMORE - WASHINGTON INDUSTRIAL PARK
 PARCEL "A" BLOCK "A"
 SHEET 1 OF 3
 SCALE: 1" = 80'
 DATE: 4 APRIL, 1973
 SPP-73-74 EN 2710 DL

Aurora Energy
 Solar provider since 1994

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 9009 Mendenhall Court, Ste. E
 Columbia, MD 21045
 Phone: 410-268-3088
 Fax: 410-997-0779
 www.aurora-energy.com

ENGINEERING STAMPS

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 39294
 EXPIRATION DATE: 07/09/2020

NO.	REVISIONS	DATE	BY
1	ADDED ROOMS & ENCLOSED EMBELLISHMENTS	4/17/76	GWS
2	TO ALL ROOMS OF BUILDING ADDED DISTANCE FROM EXISTING TO GRADE	1-30-78	1-30-78
3	REVISED PARKING TABULATION		

PROJECT MANAGER: RICHARD McELROY
DRAWN BY: ALEXANDER HUNT
CHECKED BY: FARIBORZ MAHJOURI
CHECKED BY:
APPROVED BY:
DATE: 9/9/2020 12:35 PM

PROJECT NAME & ADDRESS
 SUN BELLE SOLAR PV SYSTEM
 8375 PATUXENT RANGE RD,
 JESSUP, MD 20794

DRAWING NAME
 SITE OVERVIEW
 GROUND MOUNT

DRAWING NUMBER
 Z-2

SHEET
 1 OF 03

SCALE
 1" = 80'



SUNPOWER®

SunPower® P-Series: P19-405-COM

SunPower Performance Series Commercial Panel

SunPower® Performance Series panels wrap front contact cells with 30+ years of SunPower materials and manufacturing expertise. The weakest points of Conventional Panel design are eliminated to deliver superior power, reliability, value and savings.¹



High Power

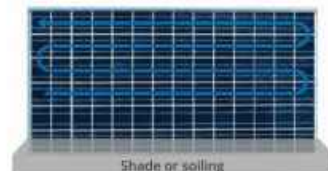
Enhanced active area increases power and savings while designing out fragile ribbons and solder bonds on the cells.



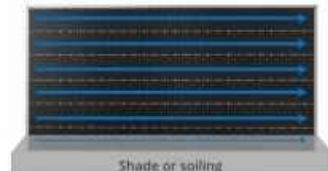
High Performance and Lifetime Savings

Up to 32% more energy in the same space over 25 year.² Outperforms conventional panels in partial shade thanks to unique parallel circuitry. Proprietary bussing design limits power loss, maximizing production during morning and evening row-to-row shading or soiling.

Conventional



Performance Series



Engineered for Performance



Designed for Reliability

- Robust and flexible cell connection technology. Outstanding reliability.
- Conductive adhesive, proven in the aerospace industry.
- Redundant cell to cell connections

Proven Performance



- Named as a Top Performer in all DNV/GL reliability tests
- 15% more power and reduced panel temperature due to unique electrical bussing

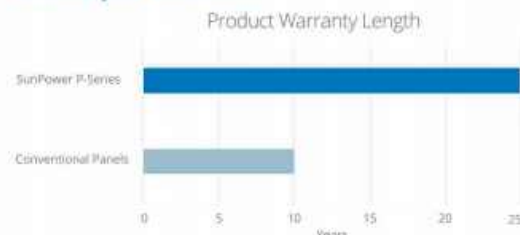


High Reliability, Backed with Confidence

Performance Series is the most deployed shingled solar panel in the world,³ with proven results. Innovative shingled design eliminates many of the reliability challenges of traditional front contact panels. SunPower stands behind its panels with its industry-leading Complete Confidence Warranty.



25 Year Combined Warranty Protects your investment



P-Series: P19-405-COM SunPower® Performance Series Commercial Panel

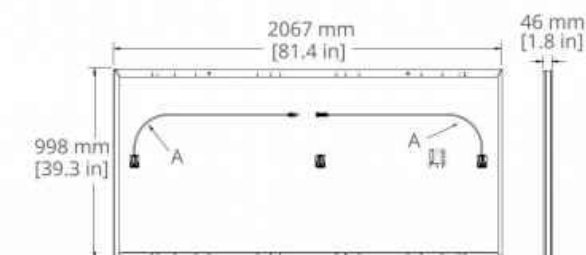
Electrical Data						
Model	SPR-P19-405-COM	SPR-P19-400-COM	SPR-P19-395-COM	SPR-P19-390-COM	SPR-P19-385-COM	SPR-P19-380-COM
Nominal Power (P _{nom}) ⁴	405 W	400 W	395 W	390 W	385 W	380 W
Power Tolerance	+5/-0%	+5/-0%	+5/-0%	+5/-0%	+5/-0%	+5/-0%
Efficiency	19.6%	19.4%	19.1%	18.9%	18.7%	18.4%
Rated Voltage (V _{mpp})	43.6 V	43.4 V	43.2 V	43.1 V	42.8 V	42.6 V
Rated Current (I _{mp})	9.28 A	9.22 A	9.14 A	9.05 A	8.99 A	8.92 A
Open-Circuit Voltage (V _{oc})	52.9 V	52.7 V	52.5 V	52.3 V	52.0 V	51.8 V
Short-Circuit Current (I _{sc})	9.87 A	9.80 A	9.72 A	9.63 A	9.58 A	9.49 A
Power Temp. Coef.	-0.36% / °C					
Voltage Temp. Coef.	-0.29% / °C					
Current Temp. Coef.	0.05% / °C					
Maximum System Voltage	1500 V UL & 1500 V IEC					
Maximum Series Fuse	15 A					

Tests And Certifications

Standard Tests ⁵	UL1703 (Type 2 Fire Rating), IEC 61215, IEC 61730 Rated to 1500 V
Quality Certs	ISO 9001:2008, ISO 14001:2004
EHS Compliance	OHSAS 18001:2007, Recycling Scheme
Ammonia Test	IEC 62716
Desert Test	10.1109/PVSC.2013.6744437
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	Potential-Induced Degradation free: 1500 V
Available Listings	UL, CEC, TUV, FSEC

Operating Condition And Mechanical Data

Temperature	-40° F to +185° F (-40° C to +85° C)
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class A
Solar Cells	Monocrystalline PERC
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-67, MC4 compatible
Weight	51 lbs (23.1 kg)
Max. Load	Wind: 50 psf, 2400 Pa, 245 kg/m² front & back Snow: 112 psf, 5400 Pa, 550 kg/m² front
Frame	Class 2 silver anodized



FRAME PROFILE



(A) Portrait Cable: 1000 mm +/-15 mm [39.4 in +/- 0.6 in]
(B) Long Side: 32 mm [1.3 in]
Short Side: 24 mm [0.9 in]

Read safety and installation instructions before using this product.

REFERENCES:

- Independent Shade Study by CFV Laboratory.
- SunPower 405 W compared to a Conventional Panel on same sized arrays (310 W, 15.8% efficient, approx. 1.6 m²), 0.6%/yr degradation (Leidos technical review 2017)
- Osborne, "SunPower supplying P-Series modules to a 125MW NextEra project," PV-Tech.org, March 2017.
- Measured at Standard Test Conditions (STC): irradiance of 1000 W/m², AM 1.5, and cell temperature 25° C.
- Type 2 fire rating per UL1703:2013, Class C fire rating per UL1703:2002 and IEC 61730.

See www.sunpower.com/company and www.sunpower.com/solar-resources for more reference information. Specifications included in this datasheet are subject to change without notice.

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1-800-SUNPOWER

sunpower.com

SUNPOWER®

527713 Rev B / LTR_US

sunpower.com

Aurora Energy
Solar provider since 1994

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Columbia, MD 21045
Phone: 410-268-3088
Fax: 410-997-0779
www.aurora-energy.com

ENGINEERING STAMPS



PROFESSIONAL
CERTIFICATION
I HEREBY CERTIFY THAT
THESE DOCUMENTS WERE
PREPARED OR APPROVED BY
ME, AND THAT I AM DULY
LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS
OF THE
STATE OF MARYLAND
LICENSE NO. 39294,
EXPIRATION DATE:
07/09/2020

REVISIONS

DATE	REV.	DESCRIPTION	BY	DATE

PROJECT MANAGER: RICHARD McELROY

DRAWN BY: ALEXANDER HUNT

CHECKED BY: FARIBORZ MAHJOURI

CHECKED BY:

APPROVED BY:

DATE: 9/8/2020 1:27 PM

PROJECT NAME & ADDRESS

SUN BELLE SOLAR PV SYSTEM
8375 PATUXENT RANGE RD,
JESSUP, MD 20794

DRAWING NAME

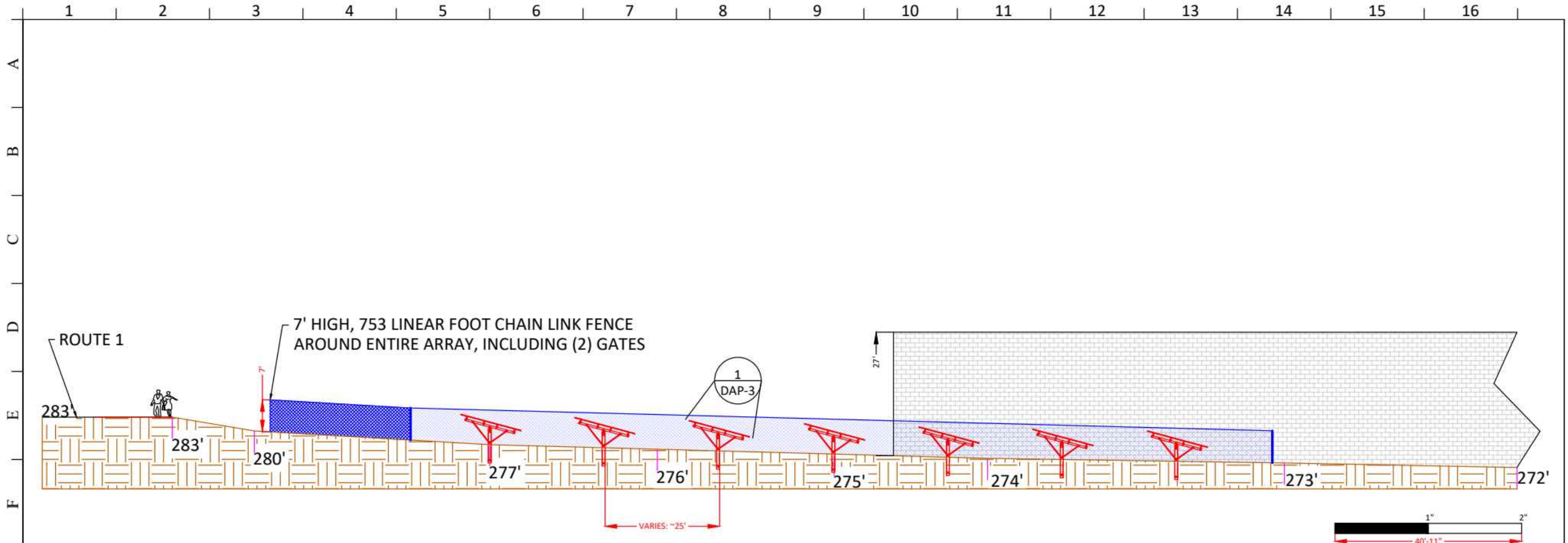
MODULE
SPEC SHEETS

DRAWING NUMBER

DAP-1

SHEET
1 OF 02

SCALE




SECTION VIEW A: GROUND MOUNT ARRAY, SECTION VIEW



Aurora Energy
Solar provider since 1994

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9009 Mendenhall Court, Ste. E
Columbia, MD 21045
Phone: 410-268-3088
Fax: 410-997-0779
www.aurora-energy.com

ENGINEERING STAMPS



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT
THESE DOCUMENTS WERE
PREPARED OR APPROVED BY
ME, AND THAT I AM DULY
LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS
OF THE
STATE OF MARYLAND
LICENSE NO. 39294,
EXPIRATION DATE:
07/09/2020

REVISIONS				
NO.	REV.	DESCRIPTION	BY	DATE

PROJECT MANAGER: RICHARD McELROY

DRAWN BY: ALEXANDER HUNT

CHECKED BY: FARIBORZ MAHJOURI

CHECKED BY:

APPROVED BY:

DATE: 9/9/2020 12:39 PM

PROJECT NAME & ADDRESS

SUN BELLE SOLAR PV SYSTEM

8375 PATUXENT RANGE RD,
JESSUP, MD 20794

DRAWING NAME

GROUND MOUNT
ELEVATION VIEW

DRAWING NUMBER

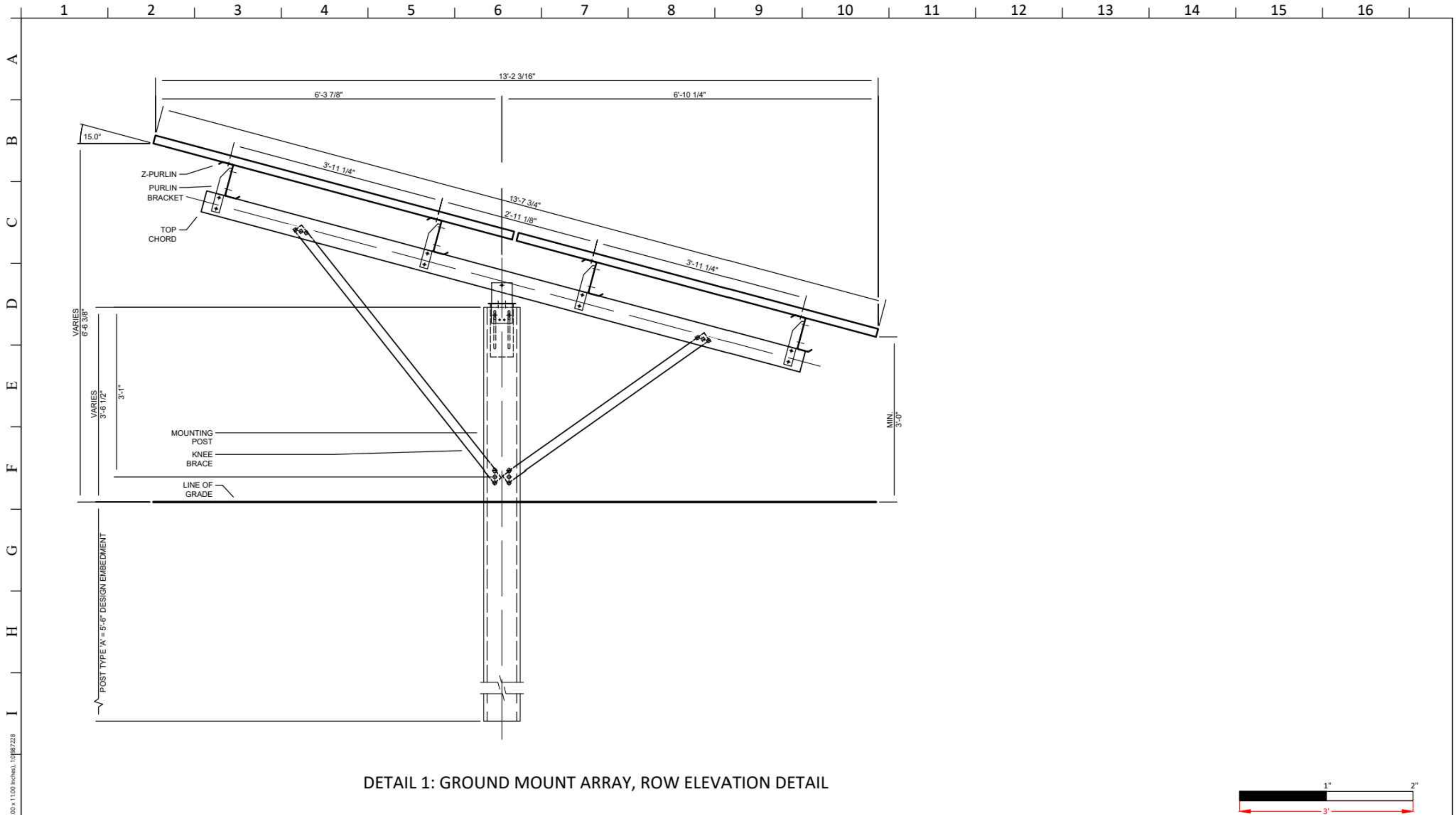
DAP-2

SHEET

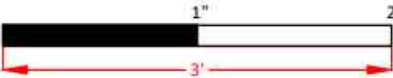
2 OF 03


SCALE

1" = 20.45833'



DETAIL 1: GROUND MOUNT ARRAY, ROW ELEVATION DETAIL






Aurora Energy
Solar provider since 1994

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9009 Mendenhall Court, Ste. E
Columbia, MD 21045
Phone: 410-268-3088
Fax: 410-997-0779
www.aurora-energy.com

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NO.	REV.	DESCRIPTION	BY	DATE

PROJECT MANAGER: RICHARD McELROY	
DRAWN BY: ALEXANDER HUNT	
CHECKED BY: FARIBORZ MAHJOURI	
CHECKED BY:	
APPROVED BY:	
DATE:	9/9/2020 11:54 AM

PROJECT NAME & ADDRESS

SUN BELLE SOLAR PV SYSTEM

8375 PATUXENT RANGE RD,
JESSUP, MD 20794

DRAWING NAME

GROUND MOUNT
ELEVATION DETAIL

SHEET

3 OF 03

SCALE

1" = 1.5'

DRAWING NUMBER

DAP-3

[illegible]MISS UTILITY
LAW

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM UTILITY COMPANY RECORDS AND/OR ABOVE GROUND INSPECTION OF THE SITE. COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANT TO REQUIREMENTS OF MARYLAND SENATE BILL 911, KNOWN AS THE MISS UTILITY LAW, WHICH WENT INTO EFFECT ON 10-1-10, CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES BY NOTIFYING FACILITY OWNERS THROUGH THE ONE-CALL SYSTEM 1-800-257-7777. NO LESS THAN 2 DAYS, NOR MORE THAN 10 DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING


CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE _____

CHIEF, DIVISION OF LAND DEVELOPMENT

DATE _____

DRAWING: <div>PROPOSED PANEL GROUND VIEW FROM WASHINGTON BLVD. (US-1)</div>	
PROJECT: <div>BALTIMORE WASHINGTON INDUSTRIAL PARK PARCEL 'B' BLOCK 'A' 8375 PATUXENT RANGE ROAD JESSUP, MD 20794 ELECTION DISTRICT: 06 HOWARD COUNTY, MARYLAND</div>	
<div>GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC. ENGINEERS ♦ PLANNERS ♦ SURVEYORS ♦ TRANSPORTATION WATERS EDGE CORPORATE CAMPUS 4602 MILLERIUM DRIVE, SUITE 100 BELGAPPO, MD 21017 Tel: (410) 297-2340 Fax: (410) 297-2345 Email: johannesr@geostephens.com http://www.geostephens.com</div>	
<div> 210/2020</div>	<div>DESIGNED BY: JRO DRAWN BY: JRO/KHC CHECKED BY: GWS PROJECT NO. 12018 DATE: 09/10/20 SCALE: N.T.S.</div>
<div>L. JUSTIN R. OTTENSMEYER, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 21088 EXP. DATE: 12/15/21</div>	<div>DRAWING NUMBER: SHEET NUMBER: <div>PR-DAPS 1 OF 2</div></div>



MISS UTILITY LAW

LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN HAVE BEEN DEVELOPED FROM UTILITY COMPANY RECORDS AND/OR ABOVE GROUND INSPECTION OF THE SITE. COMPLETENESS OR ACCURACY OF TYPE, SIZE, DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. PURSUANT TO REQUIREMENTS OF MARYLAND SENATE BILL 911, KNOWN AS THE MISS UTILITY LAW, WHICH WENT INTO EFFECT ON 10-1-10, CONTRACTORS MUST VERIFY LOCATIONS OF UNDERGROUND UTILITIES BY OBTAINING FACILITY OWNERS THROUGH THE ONE-CALL SYSTEM 1-800-251-7777, NO LESS THAN 2 DAYS, NOR MORE THAN 10 DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

_____ CHIEF, DEVELOPMENT ENGINEERING DIVISION	_____ DATE
_____ CHIEF, DIVISION OF LAND DEVELOPMENT	_____ DATE

DRAWING: <h2 style="margin: 0;">EXAMPLES OF PREVIOUSLY INSTALLED GROUND MOUNTED SOLAR PANEL INSTALLATIONS</h2>							
PROJECT: <h3 style="margin: 0; color: #0070C0;">BALTIMORE WASHINGTON INDUSTRIAL PARK</h3>							
PARCEL "B" BLOCK "A" 8375 PATUXENT RANCH ROAD JESSUP, MD 20794							
ELECTION DISTRICT 06	HOWARD COUNTY, MARYLAND						
<div style="display: flex; align-items: center;"> <div> <h3 style="margin: 0;">GEORGE WILLIAM STEPHENS, JR. and ASSOCIATES, INC.</h3> <p style="margin: 5px 0 0 0;">ENGINEERS • PLANNERS • SURVEYORS • TRANSPORTATION</p> <p style="margin: 0 0 0 20px; color: #0070C0;">POTTER BIDDLE CORPORATE CAMPUS 4692 MILLENNIUM DRIVE, SUITE 100 BELCAMP, MD 21017</p> <p style="margin: 0 0 0 20px;">Email: jstephensjr@gwsstephens.com http://www.gwsstephens.com</p> </div> </div>							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 5px;">DESIGNED BY: JRO</td></tr> <tr><td style="padding: 5px;">DRAWN BY: JRO/KHG</td></tr> <tr><td style="padding: 5px;">CHECKED BY: GWS</td></tr> <tr><td style="padding: 5px;">PROJECT NO: 12018</td></tr> <tr><td style="padding: 5px;">DATE: 08/10/20</td></tr> <tr><td style="padding: 5px;">SCALE: N.T.S</td></tr> </table>	DESIGNED BY: JRO	DRAWN BY: JRO/KHG	CHECKED BY: GWS	PROJECT NO: 12018	DATE: 08/10/20	SCALE: N.T.S
DESIGNED BY: JRO							
DRAWN BY: JRO/KHG							
CHECKED BY: GWS							
PROJECT NO: 12018							
DATE: 08/10/20							
SCALE: N.T.S							
<h3 style="margin: 0; color: #FFD700;">8/10/2020</h3>							
I, J. ROTH, OTTENSMEYER, CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.							
LICENSE NO. 12108	EXP. DATE: 12/15/21						
<h1 style="margin: 0;">PR-DAPS</h1>							
DRAWING NUMBER:	SHEET NUMBER:						
<h2 style="margin: 0;">2</h2>	<h2 style="margin: 0;">of 2</h2>						



8545 Edgeworth Drive
Capitol Heights, MD 20743-3790
Tel: 301-350-2400
Fax: 301-336-0743
www.longfence.com

May 27, 2020

Ricky McElroy
Aurora Energy, Inc.
9009 Mendenhall Court, Suite E
Columbia, Maryland 21045

RE: 8375 Patuxent Range Rd.

This estimate consists of furnishing labor and materials to install the following scope of work at the above location.

Furnish and install (753) linear feet of 7' high Galvanized chain link fence. Specification of fence is as follows:

- Chain Link Fabric: 2" mesh x 9-gauge galvanized steel
- Terminal Posts: 3" OD 40-WT steel
- Terminal Post Footers: 12" diameter by 36" deep concrete footers
- Line Posts: 2 1/2" OD 20-WT steel
- Line Post Footers: 10" diameter by 30" deep concrete footers
- Top Rail: 1 5/8" OD 20-WT Steel
- Tension Wire: 7-gauge galvanized steel at bottom of fence
- Terminal Post Bracing: 1 5/8" OD 20-WT steel brace rail

Furnish and install 1) 7' high x 12' wide single swing gate. The specification of the gate is as follows:

- Gate Posts: 3" OD WT-40 galvanized steel
- Gate Post Footers: 10" diameter by 36" deep concrete footers
- Gate Frame: 1 5/8" OD WT-20 galvanized steel
- Gate Fabric: 2" mesh x 9-gauge galvanized steel
- Gate Accessories: Industrial offset hinges and latch

Furnish and install 1) 7' high x 24' wide double swing gate. The specification of the gate is as follows:

- Gate Posts: 3" OD WT-40 galvanized steel
- Gate Post Footers: 12" diameter by 36" deep concrete footers
- Gate Frame: 1 5/8" OD WT-40 steel
- Gate Fabric: 2" mesh x 9-gauge galvanized steel
- Gate Accessories: Industrial offset hinges (two per gate leaf), center drop rod and latch

Total Price: \$24,685.00

Note: Total price is based upon (4) mobilizations to the site. Estimate is valid 30 days for purpose of acceptance by the buyer.

Terms:

50% - Deposit with order: **\$12,342.50**

50% - Payment upon date of final completion: **\$12,342.50**